

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
CD40	GeneSeq Accession Y33499	WO9945944	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Soluble CD40 polypeptides may be useful for inhibiting apoptosis, NF-kB activation, and/or co-stimulation of immune cells such as B and T cells.
EDAR	Genbank Accession AAD50077		Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Immune Disorders, Lymphomas, X-linked hypohidrotic ectodermal dysplasia
OX40; ACT-4	GeneSeq Accession R74737	WO9512673	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Immune Disorders, Lymphomas, T cell disorders

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TACI	GeneSeq Accession W75783	WO9839361	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Soluble TACI receptor polypeptides may be useful for inhibiting apoptosis, NF-kB activation, and/or co-stimulation of immune cells such as B and T cells.
TNF-R	GeneSeq Accession R10986	AU9058976	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Soluble TNF-R receptor polypeptides may be useful for inhibiting apoptosis, NF-kB activation, and/or co-stimulation of immune cells such as B and T cells.
TNF-RII; TNF p75 Receptor; Death Receptor	GeneSeq Accession R11141	EP418014	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Soluble TNFR-II receptor polypeptides may be useful for inhibiting apoptosis, NF-kB activation, and/or co-stimulation of immune cells such as B and T cells.

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hAPO-4; TROY	GeneSeq Accession W93581	WO9911791	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Immune Disorders, Cancers
TNF-alpha precursor	GeneSeq Accession P60074	EP205038	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer
Human TNF-alpha	GeneSeq Accession R62463	EP619372	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer

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Human TNF-alpha	GeneSeq Accession R42679	EP563714	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, cancer immunologic disorders, cancer
Human TNF-beta (LT-alpha)	GeneSeq Accession B37799	WO0064479	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, cancer immunologic disorders, cancer
LT-alpha	GeneSeq Accession P70107	EP250000	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, cancer immunologic disorders, cancer

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LT-beta	GeneSeq Accession R56869	WO9413808	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer
OPGL	GeneSeq Accession W83195	WO9846751	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer, loss of bone mass,
FasL	GeneSeq Accession W98071	WO9903999	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer

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FasL	GeneSeq Accession W95041	WO9903998	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer
CD27L	GeneSeq Accession R50121	WO9405691	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer
CD30 ligand	GeneSeq Accession R45007	WO9324135	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer

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CD40L	GeneSeq Accession R85486	WO9529935	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer
4-1BB ligand	GeneSeq Accession W26657	US5674704	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer
FAS Ligand Inhibitory Protein (DcR3)	GeneSeq Accession B19335	WO0058465	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	Soluble DcR3 polypeptides may be useful for inhibiting apoptosis, NF-kB activation, and/or co-stimulation of immune cells such as B and T cells.

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OX40L	GeneSeq Accession R79903	WO9521915	Activities associated with apoptosis, NF-kB activation, and co-stimulation of immune cells such as T and B cells.	Apoptosis activity, NF-kB activation, and B and T cell co-stimulation can be determined using assays known in the art: Moore et al., 1999, Science, 285(5425):260-3; Song HY et al., 1997 Proc Natl Acad Sci U S A 94(18):9792-6; Epsevik and Nissen-Meyer, 1986, J. Immunol. Methods.	inflammatory disorders, immunologic disorders, cancer
Protease inhibitor peptides	GeneSeq Accessions R12435, R12436, R12437, R12438, R12439, R12440, and R1244	WO9106561	Peptides that inhibit the function/binding of HIV	HIV protease activities are known in the art: HIV protease assays: EP0387231. One can modify the assay to look for inhibition using any of the disclosed protease inhibitor polypeptides.	HIV, inflammatory disorders, immunologic disorders, cancer, viral infections
Retroviral protease inhibitors	GeneSeq Accessions R06660, R06661, R06662, R06663, R06664, R06665, R06666, R06667, R06668, R06669, R06670, R06671, R06672, R06673, R06674, R06675, and R06676	EP387231	Peptides that inhibit the function/binding of HIV	HIV protease activities are known in the art: HIV protease assays: EP0387231. One can modify the assay to look for inhibition using any of the disclosed protease inhibitor polypeptides.	HIV, inflammatory disorders, immunologic disorders, cancer, viral infections



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HIV protease inhibiting peptides	GeneSeq Accessions R59293, R59294, R59295, R59296 , R59297, R59298, R59299, R59300, R59301, R59302, R59301, R59302, R59303, R59304, R59305, R59306, R59307, R59308, R59309, R59310, R59311, R59312, R59313, R59314, R59315, R59316, R59317, R59318, R59319, R59320, R59321, R59322, R59323, R59324, R59325, R59326, R59327, R59328, R59329, R59330, R59331, R59332, R59333, R59334, R59335, R59336, R59337, R59338, R59339, R59340, R59341, R59342, R59343, R59344, R59345, R59346, R59347, R59348, R59349, and R59350	WO9301828	Peptides that inhibit the function/binding of HIV	HIV protease activities are known in the art: HIV protease assays: EP0387231. One can modify the assay to look for inhibition using any of the disclosed protease inhibitor polypeptides.	HIV, inflammatory disorders, immunologic disorders, cancer, viral infections

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HIV-1 protease inhibitors	GeneSeq Accessions R86326, R86327, R86328, R86329, R86330, R86331, R86332, R86333, R86334, R86335, R86336, R86337, R86338, R86339, R86340, R86341, R86342, R86343, R86344, R86345, R86346, R86347, R86348, R86349, R86350, R86351, R86352, R86353, R86354, R86355, R86356, R86357, R86358, R86359, R86360, R86361, R86362, R86363, R86364, R86365, R86366, R86367, R86368, R86369, R86370, and R86371	DE4412174	Pepitides that inhibit the function/binding of HIV	HIV protease activities are known in the art: HIV protease assays: EP0387231. One can modify the assay to look for inhibition using any of the disclosed protease inhibitor polypeptides.	HIV, inflammatory disorders, immunologic disorders, cancer, viral infections
HIV Inhibitor Peptide	GeneSeq Accession Y89687	WO9959615	Pepitides that inhibit the function/binding of HIV	HIV protease activities are known in the art: HIV protease assays: EP0387231. One can modify the assay to look for inhibition using any of the disclosed protease inhibitor polypeptides.	HIV, inflammatory disorders, immunologic disorders, cancer, viral infections

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HIV Inhibitor Peptide	GeneSeq Accession Y31955	WO9948513	Peptides that inhibit the function/binding of HIV	HIV protease activities are known in the art: HIV protease assays: EP0387231. One can modify the assay to look for inhibition using any of the disclosed protease inhibitor polypeptides.	HIV, inflammatory disorders, immunologic disorders, cancer, viral infections
HIV Inhibitor Peptide	<a href="http://www.sciencexpress.org">www.sciencexpress.org</a> ; Published Online 12 January 2001; 10.1126/scienc e.1057453		Peptides that inhibit the function/binding of HIV	HIV protease activities are known in the art: HIV protease assays: EP0387231. One can modify the assay to look for inhibition using any of the disclosed protease inhibitor polypeptides.	HIV, inflammatory disorders, immunologic disorders, cancer, viral infections
Human monocyte chemoattractant factor hMCP-3	GeneSeq Accession R73915	WO9509232	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, particularly useful for treating bacterial and/or viral meningitis

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Human monocyte chemoattractant factor hMCP-1	GeneSeq Accession R73914	WO9509232	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, particularly useful for treating bacterial and/or viral meningitis

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Human gro-beta chemokine	GeneSeq Accessions R66699 and W17671	WO9429341	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: <i>Methods in Molecular Biology</i> , 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, inflammatory disorders, blood-related disorders, stem cell transplantation, cancer

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Human gamma chemokine	GeneSeq Accessions R66700 and W17672	WO9429341	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: <i>Methods in Molecular Biology</i> , 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, inflammatory disorders, blood-related disorders, stem cell transplantation, cancer

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Human $\alpha$ chemokine	GeneSeq Accessions R66698 and W18024	WO9429341	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, inflammatory disorders, blood-related disorders, stem cell transplantation, cancer

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Human eosinophil-expressed chemokine (EEC)	GeneSeq Accession W05186	WO9632481	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, particularly treatment of eosinophilia, inflammation, allergies, asthma, leukaemia and lymphoma



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Chemokine-like protein PF4-414 Full-Length and Mature	GeneSeq Accessions R92318 and R99809	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and blood-related disorders, particularly myelosuppression

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Chemokine-like protein IL-8M3	GeneSeq Accession R99812	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ; and Holmes et al (1991) Science 253, 1278-80.	Cancer and blood-related disorders, particularly myelosuppression

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Human interleukin-8 (IL-8)	GeneSeq Accession R99814	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: <i>Methods in Molecular Biology</i> , 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ; and Holmes et al (1991) <i>Science</i> 253, 1278-80.	Cancer and blood-related disorders, particularly myelosuppression

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Chemokine-like protein IL-8M1 Full-Length and Mature	GeneSeq Accessions R99815 and R99803	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ; and Holmes et al (1991) Science 253, 1278-80.	Cancer and blood-related disorders, particularly myelosuppression

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Chemokine-like protein IL-8M8 Full-Length and Mature	GeneSeq Accessions R99816 and R99805	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot; T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ; and Holmes et al (1991) Science 253, 1278-80.	Cancer and blood-related disorders, particularly myelosuppression

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Chemokine-like protein IL-8M9 Full-Length and Mature	GeneSeq Accessions R99817 and R99806	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ; and Holmes et al (1991) Science 253, 1278-80.	Cancer and blood-related disorders, particularly myelosuppression

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Chemokine-like protein IL-8M10 Full-Length and Mature	GeneSeq Accessions R99818 and R99804	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ; and Holmes et al (1991) Science 253, 1278-80.	Cancer and blood-related disorders, particularly myelosuppression

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine-like protein PF4-M2 Full-Length and Mature	GeneSeq Accessions R99819 and R99807	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and blood-related disorders, particularly myelosuppression



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine-like protein PF4-426 Full-Length and Mature	GeneSeq Accessions R99822 and R99811	WO9613587	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and blood-related disorders, particularly myelosuppression

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human foetal spleen expressed chemokine, FSEC	GeneSeq Accession R98499	WO9622374	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Liver expressed chemokine-1 (LVEC-1)	GeneSeq Accession R95689	WO9616979	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammation of the liver

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Liver expressed chemokine-2 (LVEC-2)	GeneSeq Accession R95690	WO9616979	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammation of the liver

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Pituitary expressed chemokine (PGEC)	GeneSeq Accession R95691	WO9616979	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammation, particularly of the liver

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Adenoid-expressed chemokine (ADEC)	GeneSeq Accession R97664	WO9617868	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammation, angiogenesis, tumorigenesis, musculoskeletal disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine CC-2	GeneSeq Accession W38170	WO97/41230	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, cell migration, proliferation, and differentiation disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine HCC-1	GeneSeq Accession W38171	WO97/41230	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, cell migration, proliferation, and differentiation disorders



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine CC-3	GeneSeq Accession W38172	WO9741230	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, cell migration, proliferation, and differentiation disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Novel beta-chemokine designated PTEC	GeneSeq Accession W27271	WO9739126	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, vascular disorders, cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human CX3C 111 amino acid chemokine	GeneSeq Accession W23344	WO9727299	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, inflammatory diseases, abnormal proliferation, regeneration, degeneration, and atrophy

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human CCF18 chemokine	GeneSeq Accession W25942	WO9721812	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Abnormal physiology and development disorders, can also be used as an anti-viral agent

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human beta-chemokine H1305 (MCP-2)	GeneSeq Accession W26655	WO9725427	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Chemotaxis, blood-related disorders, viral infection, HIV, wound healing, cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human eosinocyte CC type chemokine eotaxin	GeneSeq Accession W14990	WO9712914	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory and immune disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human thymus and activation regulated cytokine (TARC)	GeneSeq Accession W14917	WO9711969	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory and immune disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine beta-8 short forms	GeneSeq Accession W16315	WO9712041	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer, wound healing, immune disorders



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Macrophage derived chemokine, MDC	GeneSeq Accession W20058	WO9640923	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory diseases, wound healing, angiogenesis

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine ZSIG-35	GeneSeq Accession W30565	WO9844117	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory and immune diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Primate CC chemokine "IL1NCK"	GeneSeq Accession W69990	WO9832858	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders, abnormal proliferation, regeneration, generation and atrophy disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Primate CXCL chemokine "IBICK"	GeneSeq Accession W69989	WO9832858	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders, abnormal proliferation, regeneration, generation and atrophy disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human CC-type chemokine protein designated SLC (secondary lymphoid chemokine)	GeneSeq Accession W69163	WO9831809	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune, inflammatory, and infectious disorders, cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human CC chemokine ELC protein	GeneSeq Accession W62542	WO9826071	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and infectious diseases, particularly herpes virus

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human DVic-1 C-C chemokine	GeneSeq Accession W60649	WO9823750	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Abnormal proliferation, regeneration, degeneration, and atrophy disorders, including cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human C-C chemokine DGWCC	GeneSeq Accession W60650	WO9823750	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, cell proliferation disorders, cancer



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human STCP-1	GeneSeq Accession W62783	WO9824907	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: <i>Methods in Molecular Biology</i> , 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, particularly T cell related disorders, viral infection, and inflammation, especially joint

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Exodus protein	GeneSeq Accession W61279	WO9821330	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders, angiogenesis, cancer, and proliferation disorders, particularly myeloproliferative diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human Chr19Kine protein	GeneSeq Accession W50887	WO9814581	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and degenerative disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human T cell mixed lymphocyte reaction expressed chemokine (TMEC)	GeneSeq Accession W58703	US5780268	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune, inflammatory, and infectious disorders, cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human 6CKine protein	GeneSeq Accession W50885	WO9814581	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and degenerative disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
human liver and activation regulated chemokine (LARC)	GeneSeq Accession W57475	WO9817800	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune, inflammatory, and infectious disorders, cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
RANTES peptide	GeneSeq Accession W29538	WO9744462	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Infectious diseases, particularly HIV

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
RANTES 8-68	GeneSeq Accession W29529	WO9744462	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Infectious diseases, particularly HIV



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
RANTES 9-68	GeneSeq Accession W29528	WO9744462	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Infectious diseases, particularly HIV

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine protein 331D5	GeneSeq Accession W59433	WO9811226	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols, Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Abnormal proliferation, regeneration, degeneration or atrophy, including cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine protein 61164	GeneSeq Accession W59430	WO9811226	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols, Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Abnormal proliferation, regeneration, degeneration or atrophy, including cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine MCP-4	GeneSeq Accession W56690	WO9809171	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune, inflammatory, and infectious diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human stromal cell-derived chemokine, SDF-1	GeneSeq Accession W50766	FR2751658	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	HIV infections

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Thymus expressed chemokine (TECK)	GeneSeq Accession W44397	WO9801557	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine MIP-3alpha	GeneSeq Accession W44398	WO9801557	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human chemokine MIP-3beta	GeneSeq Accession W44399	WO9801557	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human monocyte chemotactic protein (MCP) sequence	GeneSeq Accession W42072	WO9802459	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: <i>Methods in Molecular Biology</i> , 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, respiratory disorders, cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Macrophage-derived chemokine (MDC)	GeneSeq Accessions W40811 and Y24414	US5688927 / US5932703	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune, and inflammatory disorders, cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Macrophage derived chemokine analogue MDC-eyfy	GeneSeq Accession Y24416	US5932703	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Macrophage derived chemokine analogue MDC (n+1)	GeneSeq Accession Y24413	US5932703	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Macrophage derived chemokine analogue MDC-yl	GeneSeq Accession Y24415	US5932703	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune and inflammatory disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human type CC chemokine eotaxin 3 protein sequence	GeneSeq Accession Y43178	JP11243960	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Allergic diseases and HIV infection

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human MCP-3 and human Muc-1 core epitope (VNT) fusion protein	GeneSeq Accession Y29893	WO9946392	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and immune disorders, particularly HIV infection

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human IP-10 and human Muc-1 core epitope (VNT) fusion protein	GeneSeq Accession Y29894	WO9946392	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and immune disorders, particularly HIV infection



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human IP-10 and HIV-1 gp120 hypervariable region fusion protein	GeneSeq Accession Y29897	WO9946392	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Cancer and immune disorders, particularly HIV infection

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human mammary associated chemokine (MACK) protein Full-Length and Mature	GeneSeq Accessions Y29092 and Y29093	WO9936540	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Breast disease, including cancer

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Tin-1 protein	GeneSeq Accession Y28290	WO9933990	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammation due to stimuli such as heart attacks and stroke, infection, physical trauma, UV or ionizing radiation, burns, frostbite or corrosive chemicals

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Human Lkn-1 Full-Length and Mature protein	GeneSeq Accessions Y17280, Y17274, Y17281, and Y17275	WO9928473 and WO9928472	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	HIV infection and cancer, particularly leukemia

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
N-terminal modified chemokine met-hSDF-1 alpha	GeneSeq Accession Y05818	WO9920759	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors, thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inhibit or stimulate angiogenesis, inhibit the binding of HIV

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
N-terminal modified chemokine met-hSDF-1 beta	GeneSeq Accession Y05819	WO9920759	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inhibit or stimulate angiogenesis, inhibit the binding of HIV, antiinflammatory; immunosuppressant

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
N-terminal modified chemokine GroHEK/hSDF-1 $\alpha$	GeneSeq Accession Y05820	WO9920759	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inhibit or stimulate angiogenesis; inhibit the binding of HIV, antiinflammatory; immunosuppressant

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
N-terminal modified chemokine GroHEK/hSDF-1 $\beta$ .	GeneSeq Accession Y05821	WO9920759	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inhibit or stimulate angiogenesis, inhibit the binding of HIV, antiinflammatory; immunosuppressant



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine Eotaxin.	GeneSeq Accession Y14230	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Increase or enhance an inflammatory response, an immune response or haematopoietic cell-associated activity; treat a vascular indication; Cancer; enhance wound healing, to prevent or treat asthma, organ transplant rejection, rheumatoid arthritis or allergy

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine hMCP1a	GeneSeq Accession Y14225	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, Vascular disorders, Wound healing, cancer, prevent organ transplant rejection, Increase or enhance an inflammatory response,

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine hMCP1b	GeneSeq Accession Y14226	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, Vascular disorders, Wound healing, cancer, prevent organ transplant rejection, Increase or enhance an inflammatory response,

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine hSDF1b	GeneSeq Accession Y14228	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, Vascular disorders, Wound healing, cancer, prevent organ transplant rejection, Increase or enhance an inflammatory response

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine hIL-8	GeneSeq Accession Y14229	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ; and Holmes et al (1991) Science 253, 1278-80.	Immune disorders, Vascular disorders, Wound healing, cancer, prevent organ transplant rejection, Increase or enhance an inflammatory response

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine hMCP1	GeneSeq Accession Y14222	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, Vascular disorders, Wound healing, cancer, prevent organ transplant rejection, Increase or enhance an inflammatory response

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine hMCP2	GeneSeq Accession Y14223	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, Vascular disorders, Wound healing, cancer, prevent organ transplant rejection, Increase or enhance an inflammatory response

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Chemokine hMCP3	GeneSeq Accession Y14224	WO9912968	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Immune disorders, Vascular disorders, Wound healing, cancer, prevent organ transplant rejection, Increase or enhance an inflammatory response



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
C-C chemokine, MCP2	GeneSeq Accession Y05300	EP905240	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: <i>Methods in Molecular Biology</i> , 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory, immune and infectious diseases; pulmonary diseases and skin disorders; tumours, and angiogenesis-related and haematopoiesis-related diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Wild type monocyte chemotactic protein 2	GeneSeq Accession Y07233	EP906954	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory, immune and infectious diseases; pulmonary diseases and skin disorders; tumours, and angiogenesis-related and haematopoiesis-related diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Truncated monocyte chemotactic protein 2 (6-76)	GeneSeq Accession Y07234	EP906954	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory, immune and infectious diseases; pulmonary diseases and skin disorders; tumours, and angiogenesis-related and haematopoiesis-related diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Truncated RANTES protein (3-68)	GeneSeq Accessions Y07236 and Y07232	EP905241; EP906954	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory, immune and infectious diseases; pulmonary diseases and skin disorders; tumours, and angiogenesis-related and haematopoiesis-related diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Wild type monocyte chemotactic protein 2	GeneSeq Accession Y07237	EP905241	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory, immune and infectious diseases; pulmonary diseases and skin disorders; tumours, and angiogenesis-related and haematopoiesis-related diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Truncated monocyte chemotactic protein 2 (6-76)	GeneSeq Accession Y07238	EP905241	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Inflammatory, immune and infectious diseases; pulmonary diseases and skin disorders; tumours, and angiogenesis-related and haematopoiesis-related diseases

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
A partial CXCR4B protein	GeneSeq Accession W97363	EP897980	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Soluble CXCR4B receptor polypeptides may be useful for inhibiting chemokine activities and viral infection.

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Interferon gamma-inducible protein (IP-10)	GeneSeq Accession W96709	US5871723	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Angiogenesis, Cancer, Inflammatory and Immune disorders, Cardio-Vascular disorders, Musco-skeletal disorders



Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
A monokine induced by gamma-interferon (MIG)	GeneSeq Accession W96710	US5871723	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Angiogenesis, Cancer, Inflammatory and Immune disorders, Cardio-Vascular disorders, Musco-skeletal disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Interleukin-8 (IL-8) protein.	GeneSeq Accession W96711	US5871723	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ, and Holmes et al (1991) Science 253, 1278-80.	Angiogenesis, Cancer, Inflammatory and Immune disorders, Cardio-Vascular disorders, Musco-skeletal disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Epithelial neutrophil activating protein-78 (ENA-78)	GeneSeq Accession W96712	US5871723	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Angiogenesis, Cancer, Inflammatory and Immune disorders, Cardio-Vascular disorders, Musco-skeletal disorders

Therapeutic Protein X	Exemplary Identifier	PCT/Patent Number	Biological Activity	Exemplary Activity Assay	Preferred Indication Y
Growth related oncogene-alpha (GRO-alpha).	GeneSeq Accession W96713	US5871723	Chemokines are a family of related small, secreted proteins involved in biological processes ranging from hematopoiesis, angiogenesis, and leukocyte trafficking. Members of this family are involved in a similarly diverse range of pathologies including inflammation, allergy, tissue rejection, viral infection, and tumor biology. The chemokines exert their effects by acting on a family of seven transmembrane G-protein-coupled receptors. Over 40 human chemokines have been described, which bind to ~17 receptors thus far identified.	Chemokine activities can be determined using assays known in the art: Methods in Molecular Biology, 2000, vol. 138: Chemokine Protocols. Edited by: A.E.I. Proudfoot, T.N.C. Wells, and C.A. Power. © Humana Press Inc., Totowa, NJ	Angiogenesis, Cancer, Inflammatory and Immune disorders, Cardio-Vascular disorders, Musco-skeletal disorders